ABSTRACT

A likelihood calculating section 205 calculates a likelihood of a data portion signal and outputs a weighting coefficient according to the likelihood

5   to a multiplier 206. The multiplier 206 multiplies a data channel estimation value output from a data channel estimating section 204 by the weighting coefficient output from the likelihood calculating section 205, whereby weighting the data channel

10   estimation value according to likelihood of the data portion signal. A combining section 207 combines a PL channel estimation value with the data channel estimation value weighted according to the likelihood of data portion signal to obtain a final

15   channel estimation value.